

BTA Oil Producers LLC.

**Lea County, NM
7811 JV-P Rojo B
#1H**

OH

Survey: MWD #1

Survey Report - Geographic

04 December, 2015

JAN 28 2016

Wellplanning

Survey Report - Geographic

Company:	BTA Oil Producers LLC.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3358.8usft (Original Well Elev)
Site:	7811 JV-P Rojo B	MD Reference:	WELL @ 3388.8usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Project	Lea County, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site	7811 JV-P Rojo B		
Site Position:		Northing:	409,174.20 usft
From:	Map	Easting:	739,014.10 usft
Position Uncertainty:	2.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 7' 21.298 N
		Longitude:	103° 33' 40.838 W
		Grid Convergence:	0.41 °

Well	#1H		
Well Position	+N/-S	0.0 usft	Northing: 409,174.20 usft
	+E/-W	0.0 usft	Easting: 739,014.10 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Ground Level:	3,369.8 usft

Wellbore	OH		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2010	11/5/2015	7.03
			Dip Angle (°)
			59.98
			Field Strength (nT)
			48,117

Design	OH		
Audit Notes:			
Version:	1.0	Phase:	ACTUAL
		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			179.61

Survey Program	Date 12/4/2015		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name
25.0	12,474.0	GYRO (OH)	NS-GYRO-SS
			Description
			NS Gyro single shots

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.0	0.00	0.00	0.0	0.0	0.0	409,174.20	739,014.10	32° 7' 21.298 N	103° 33' 40.838 W	
25.0	0.28	295.84	25.0	0.0	-0.1	409,174.23	739,014.04	32° 7' 21.297 N	103° 33' 40.838 W	
50.0	0.17	323.69	50.0	0.1	-0.1	409,174.28	739,013.88	32° 7' 21.297 N	103° 33' 40.838 W	
75.0	0.14	309.50	75.0	0.1	-0.2	409,174.33	739,013.92	32° 7' 21.298 N	103° 33' 40.840 W	
100.0	0.18	287.48	100.0	0.2	-0.2	409,174.36	739,013.88	32° 7' 21.298 N	103° 33' 40.840 W	
125.0	0.14	278.56	125.0	0.2	-0.3	409,174.38	739,013.80	32° 7' 21.298 N	103° 33' 40.841 W	
150.0	0.13	144.24	150.0	0.2	-0.3	409,174.36	739,013.78	32° 7' 21.298 N	103° 33' 40.841 W	
175.0	0.14	91.32	175.0	0.1	-0.3	409,174.33	739,013.83	32° 7' 21.298 N	103° 33' 40.841 W	
200.0	0.18	40.41	200.0	0.2	-0.2	409,174.36	739,013.89	32° 7' 21.298 N	103° 33' 40.840 W	
225.0	0.16	333.88	225.0	0.2	-0.2	409,174.42	739,013.90	32° 7' 21.299 N	103° 33' 40.840 W	
250.0	0.18	240.11	250.0	0.2	-0.2	409,174.43	739,013.85	32° 7' 21.299 N	103° 33' 40.840 W	
275.0	0.18	189.40	275.0	0.2	-0.3	409,174.38	739,013.81	32° 7' 21.298 N	103° 33' 40.841 W	

Wellplanning

Survey Report - Geographic

Company:	BTA Oil Producers LLC.	Local Co-ordinate Reference:	Well #1H
Project:	Lee County, NM	TVD Reference:	WELL @ 3388.8usft (Original Well Elev)
Site:	7811 JV-P Rojo B	MD Reference:	WELL @ 3388.8usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
300.0	0.18	151.44	300.0	0.1	-0.3	409,174.30	739,013.82	32° 7' 21.298 N	103° 33' 40.641 W
325.0	0.07	1.51	325.0	0.1	-0.3	409,174.28	739,013.84	32° 7' 21.297 N	103° 33' 40.641 W
350.0	0.16	315.12	350.0	0.1	-0.3	409,174.32	739,013.82	32° 7' 21.298 N	103° 33' 40.641 W
375.0	0.24	224.74	375.0	0.1	-0.3	409,174.31	739,013.75	32° 7' 21.298 N	103° 33' 40.642 W
400.0	0.20	167.05	400.0	0.0	-0.4	409,174.23	739,013.73	32° 7' 21.297 N	103° 33' 40.642 W
425.0	0.14	136.13	425.0	0.0	-0.3	409,174.17	739,013.76	32° 7' 21.296 N	103° 33' 40.642 W
450.0	0.13	82.89	450.0	0.0	-0.3	409,174.16	739,013.80	32° 7' 21.296 N	103° 33' 40.641 W
475.0	0.15	294.84	475.0	0.0	-0.3	409,174.18	739,013.80	32° 7' 21.296 N	103° 33' 40.641 W
500.0	0.19	228.13	500.0	0.0	-0.4	409,174.17	739,013.74	32° 7' 21.296 N	103° 33' 40.642 W
525.0	0.18	215.44	525.0	-0.1	-0.4	409,174.11	739,013.69	32° 7' 21.296 N	103° 33' 40.642 W
550.0	0.11	123.13	550.0	-0.1	-0.4	409,174.07	739,013.69	32° 7' 21.295 N	103° 33' 40.642 W
575.0	0.13	342.53	575.0	-0.1	-0.4	409,174.08	739,013.70	32° 7' 21.295 N	103° 33' 40.642 W
600.0	0.14	314.10	600.0	-0.1	-0.4	409,174.13	739,013.67	32° 7' 21.296 N	103° 33' 40.643 W
625.0	0.31	321.25	625.0	0.0	-0.5	409,174.21	739,013.61	32° 7' 21.297 N	103° 33' 40.643 W
650.0	0.57	309.47	650.0	0.1	-0.6	409,174.34	739,013.47	32° 7' 21.298 N	103° 33' 40.645 W
675.0	0.65	299.83	675.0	0.3	-0.8	409,174.49	739,013.25	32° 7' 21.299 N	103° 33' 40.647 W
700.0	0.68	291.27	700.0	0.4	-1.1	409,174.61	739,012.99	32° 7' 21.301 N	103° 33' 40.650 W
725.0	0.70	292.81	725.0	0.5	-1.4	409,174.72	739,012.71	32° 7' 21.302 N	103° 33' 40.654 W
750.0	0.70	289.41	750.0	0.6	-1.7	409,174.83	739,012.42	32° 7' 21.303 N	103° 33' 40.657 W
775.0	0.69	290.73	775.0	0.7	-2.0	409,174.94	739,012.14	32° 7' 21.304 N	103° 33' 40.660 W
800.0	0.66	289.99	800.0	0.8	-2.2	409,175.04	739,011.86	32° 7' 21.305 N	103° 33' 40.663 W
825.0	0.65	296.33	825.0	1.0	-2.5	409,175.15	739,011.60	32° 7' 21.306 N	103° 33' 40.667 W
850.0	0.76	301.53	850.0	1.1	-2.8	409,175.30	739,011.33	32° 7' 21.308 N	103° 33' 40.670 W
875.0	0.91	298.06	875.0	1.3	-3.1	409,175.48	739,011.02	32° 7' 21.309 N	103° 33' 40.673 W
900.0	1.04	293.07	900.0	1.5	-3.5	409,175.67	739,010.83	32° 7' 21.311 N	103° 33' 40.678 W
925.0	1.08	292.39	925.0	1.6	-3.9	409,175.84	739,010.21	32° 7' 21.313 N	103° 33' 40.683 W
950.0	1.14	292.22	950.0	1.8	-4.3	409,176.03	739,009.76	32° 7' 21.315 N	103° 33' 40.688 W
975.0	1.18	286.90	975.0	2.0	-4.8	409,176.21	739,009.28	32° 7' 21.317 N	103° 33' 40.693 W
1,000.0	1.19	286.38	1,000.0	2.2	-5.3	409,176.37	739,008.79	32° 7' 21.318 N	103° 33' 40.699 W
1,025.0	1.23	285.40	1,025.0	2.3	-5.8	409,176.52	739,008.29	32° 7' 21.320 N	103° 33' 40.705 W
1,050.0	1.22	285.68	1,049.9	2.5	-6.3	409,176.67	739,007.77	32° 7' 21.321 N	103° 33' 40.711 W
1,075.0	1.18	282.64	1,074.9	2.6	-6.8	409,176.80	739,007.27	32° 7' 21.323 N	103° 33' 40.717 W
1,100.0	1.17	282.71	1,099.9	2.7	-7.3	409,176.91	739,006.77	32° 7' 21.324 N	103° 33' 40.723 W
1,125.0	1.15	280.92	1,124.9	2.8	-7.8	409,177.01	739,006.27	32° 7' 21.325 N	103° 33' 40.728 W
1,150.0	1.11	281.36	1,149.9	2.9	-8.3	409,177.11	739,005.79	32° 7' 21.326 N	103° 33' 40.734 W
1,175.0	1.06	282.77	1,174.9	3.0	-8.8	409,177.21	739,005.32	32° 7' 21.327 N	103° 33' 40.739 W
1,200.0	1.02	284.96	1,199.9	3.1	-9.2	409,177.31	739,004.88	32° 7' 21.328 N	103° 33' 40.744 W
1,225.0	1.02	287.71	1,224.9	3.2	-9.6	409,177.44	739,004.46	32° 7' 21.329 N	103° 33' 40.749 W
1,250.0	1.05	291.23	1,249.9	3.4	-10.1	409,177.59	739,004.03	32° 7' 21.331 N	103° 33' 40.754 W
1,275.0	1.16	292.29	1,274.9	3.6	-10.5	409,177.77	739,003.59	32° 7' 21.333 N	103° 33' 40.760 W
1,300.0	1.22	288.49	1,299.9	3.7	-11.0	409,177.95	739,003.10	32° 7' 21.334 N	103° 33' 40.765 W
1,325.0	1.25	290.24	1,324.9	3.9	-11.5	409,178.13	739,002.59	32° 7' 21.336 N	103° 33' 40.771 W
1,350.0	1.21	287.68	1,349.9	4.1	-12.0	409,178.30	739,002.08	32° 7' 21.338 N	103° 33' 40.777 W
1,375.0	1.03	287.71	1,374.9	4.3	-12.5	409,178.45	739,001.62	32° 7' 21.339 N	103° 33' 40.782 W
1,400.0	0.47	224.65	1,399.9	4.2	-12.8	409,178.45	739,001.33	32° 7' 21.339 N	103° 33' 40.786 W
1,425.0	0.72	148.05	1,424.9	4.0	-12.8	409,178.24	739,001.34	32° 7' 21.337 N	103° 33' 40.786 W
1,450.0	1.13	145.94	1,449.9	3.7	-12.5	409,177.90	739,001.56	32° 7' 21.334 N	103° 33' 40.783 W
1,475.0	1.26	147.46	1,474.9	3.3	-12.2	409,177.47	739,001.85	32° 7' 21.330 N	103° 33' 40.780 W
1,500.0	1.36	147.85	1,499.9	2.8	-11.8	409,176.98	739,002.15	32° 7' 21.325 N	103° 33' 40.776 W
1,525.0	1.44	144.55	1,524.9	2.3	-11.6	409,176.48	739,002.49	32° 7' 21.320 N	103° 33' 40.772 W
1,550.0	1.47	144.41	1,549.8	1.8	-11.2	409,175.98	739,002.86	32° 7' 21.315 N	103° 33' 40.768 W
1,575.0	1.48	144.82	1,574.8	1.2	-10.9	409,175.44	739,003.23	32° 7' 21.309 N	103° 33' 40.764 W
1,600.0	1.48	141.90	1,599.8	0.7	-10.5	409,174.92	739,003.62	32° 7' 21.304 N	103° 33' 40.759 W
1,625.0	1.48	141.32	1,624.8	0.2	-10.1	409,174.41	739,004.02	32° 7' 21.299 N	103° 33' 40.755 W
1,650.0	1.37	140.09	1,649.8	-0.3	-9.7	409,173.93	739,004.41	32° 7' 21.295 N	103° 33' 40.750 W

Wellplanning

Survey Report - Geographic

Company:	BTA Oil Producers LLC.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3388.8usft (Original Well Elev)
Site:	7811 JV-P Rojo B	MD Reference:	WELL @ 3388.8usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
1,675.0	1.12	138.94	1,674.8	-0.7	-9.3	409,173.52	739,004.77	32° 7' 21.290 N	103° 33' 40.746 W
1,700.0	0.88	135.72	1,699.8	-1.0	-9.0	409,173.19	739,005.06	32° 7' 21.287 N	103° 33' 40.743 W
1,725.0	0.79	128.16	1,724.8	-1.2	-8.8	409,172.96	739,005.33	32° 7' 21.285 N	103° 33' 40.740 W
1,750.0	0.70	121.17	1,749.8	-1.4	-8.5	409,172.77	739,005.60	32° 7' 21.283 N	103° 33' 40.738 W
1,775.0	0.62	112.46	1,774.8	-1.6	-8.2	409,172.64	739,005.86	32° 7' 21.282 N	103° 33' 40.733 W
1,800.0	0.45	110.83	1,799.8	-1.6	-8.0	409,172.56	739,006.08	32° 7' 21.281 N	103° 33' 40.731 W
1,825.0	0.37	123.27	1,824.8	-1.7	-7.9	409,172.48	739,006.24	32° 7' 21.280 N	103° 33' 40.729 W
1,850.0	0.46	125.70	1,849.8	-1.8	-7.7	409,172.38	739,006.39	32° 7' 21.279 N	103° 33' 40.727 W
1,875.0	0.51	125.82	1,874.8	-1.9	-7.5	409,172.25	739,006.56	32° 7' 21.278 N	103° 33' 40.725 W
1,900.0	0.52	117.80	1,899.8	-2.1	-7.3	409,172.14	739,006.75	32° 7' 21.277 N	103° 33' 40.723 W
1,925.0	0.52	110.83	1,924.8	-2.2	-7.1	409,172.04	739,006.95	32° 7' 21.276 N	103° 33' 40.721 W
1,950.0	0.49	112.88	1,949.8	-2.2	-6.9	409,171.96	739,007.16	32° 7' 21.275 N	103° 33' 40.718 W
1,975.0	0.42	96.97	1,974.8	-2.3	-6.7	409,171.91	739,007.35	32° 7' 21.274 N	103° 33' 40.716 W
2,000.0	0.33	92.07	1,999.8	-2.3	-6.6	409,171.89	739,007.51	32° 7' 21.274 N	103° 33' 40.714 W
2,025.0	0.23	58.41	2,024.8	-2.3	-6.5	409,171.92	739,007.63	32° 7' 21.274 N	103° 33' 40.713 W
2,050.0	0.24	13.36	2,049.8	-2.2	-6.4	409,171.99	739,007.68	32° 7' 21.275 N	103° 33' 40.712 W
2,075.0	0.23	348.57	2,074.8	-2.1	-6.4	409,172.09	739,007.68	32° 7' 21.276 N	103° 33' 40.712 W
2,100.0	0.25	318.61	2,099.8	-2.0	-6.5	409,172.18	739,007.64	32° 7' 21.277 N	103° 33' 40.713 W
2,125.0	0.20	304.68	2,124.8	-1.9	-6.5	409,172.25	739,007.56	32° 7' 21.278 N	103° 33' 40.714 W
2,150.0	0.17	342.19	2,149.8	-1.9	-6.6	409,172.31	739,007.52	32° 7' 21.278 N	103° 33' 40.714 W
2,175.0	0.29	9.67	2,174.8	-1.8	-6.6	409,172.41	739,007.52	32° 7' 21.279 N	103° 33' 40.714 W
2,200.0	0.36	358.80	2,199.8	-1.6	-6.6	409,172.55	739,007.53	32° 7' 21.281 N	103° 33' 40.714 W
2,225.0	0.43	351.51	2,224.8	-1.5	-6.6	409,172.73	739,007.51	32° 7' 21.282 N	103° 33' 40.714 W
2,250.0	0.59	339.16	2,249.8	-1.3	-6.6	409,172.94	739,007.45	32° 7' 21.285 N	103° 33' 40.715 W
2,275.0	0.64	333.84	2,274.8	-1.0	-6.8	409,173.19	739,007.34	32° 7' 21.287 N	103° 33' 40.716 W
2,300.0	0.67	327.61	2,299.8	-0.8	-6.9	409,173.44	739,007.20	32° 7' 21.289 N	103° 33' 40.718 W
2,325.0	0.70	323.60	2,324.8	-0.5	-7.1	409,173.68	739,007.03	32° 7' 21.292 N	103° 33' 40.720 W
2,350.0	0.70	325.03	2,349.8	-0.3	-7.2	409,173.93	739,006.86	32° 7' 21.294 N	103° 33' 40.722 W
2,375.0	0.73	324.43	2,374.8	0.0	-7.4	409,174.19	739,006.68	32° 7' 21.297 N	103° 33' 40.724 W
2,400.0	0.71	327.91	2,399.8	0.2	-7.6	409,174.45	739,006.50	32° 7' 21.299 N	103° 33' 40.726 W
2,425.0	0.72	326.70	2,424.8	0.5	-7.8	409,174.71	739,006.33	32° 7' 21.302 N	103° 33' 40.728 W
2,450.0	0.69	327.16	2,449.8	0.6	-7.9	409,174.97	739,006.16	32° 7' 21.305 N	103° 33' 40.730 W
2,475.0	0.72	332.42	2,474.8	1.0	-8.1	409,175.23	739,006.01	32° 7' 21.307 N	103° 33' 40.732 W
2,500.0	0.71	332.15	2,499.8	1.3	-8.2	409,175.51	739,005.87	32° 7' 21.310 N	103° 33' 40.733 W
2,525.0	0.72	336.69	2,524.8	1.6	-8.4	409,175.79	739,005.73	32° 7' 21.313 N	103° 33' 40.735 W
2,550.0	0.83	345.36	2,549.8	1.9	-8.5	409,176.11	739,005.62	32° 7' 21.316 N	103° 33' 40.736 W
2,575.0	0.93	339.55	2,574.8	2.3	-8.6	409,176.47	739,005.51	32° 7' 21.320 N	103° 33' 40.737 W
2,600.0	0.93	334.14	2,599.8	2.6	-8.7	409,176.85	739,005.35	32° 7' 21.323 N	103° 33' 40.739 W
2,625.0	0.90	331.12	2,624.8	3.0	-8.9	409,177.20	739,005.16	32° 7' 21.327 N	103° 33' 40.741 W
2,650.0	0.85	329.91	2,649.8	3.3	-9.1	409,177.53	739,004.98	32° 7' 21.330 N	103° 33' 40.743 W
2,675.0	0.80	328.77	2,674.8	3.6	-9.3	409,177.85	739,004.80	32° 7' 21.333 N	103° 33' 40.745 W
2,700.0	0.78	326.73	2,699.7	3.9	-9.5	409,178.14	739,004.61	32° 7' 21.336 N	103° 33' 40.746 W
2,725.0	0.74	332.08	2,724.7	4.2	-9.7	409,178.42	739,004.44	32° 7' 21.339 N	103° 33' 40.749 W
2,750.0	0.72	335.09	2,749.7	4.5	-9.8	409,178.71	739,004.30	32° 7' 21.342 N	103° 33' 40.751 W
2,775.0	0.72	338.74	2,774.7	4.8	-9.9	409,179.00	739,004.16	32° 7' 21.345 N	103° 33' 40.752 W
2,800.0	0.76	346.31	2,799.7	5.1	-10.0	409,179.30	739,004.06	32° 7' 21.348 N	103° 33' 40.754 W
2,825.0	0.85	344.41	2,824.7	5.4	-10.1	409,179.64	739,003.89	32° 7' 21.351 N	103° 33' 40.755 W
2,850.0	0.90	345.03	2,849.7	5.8	-10.2	409,180.01	739,003.69	32° 7' 21.355 N	103° 33' 40.756 W
2,875.0	0.90	342.11	2,874.7	6.2	-10.3	409,180.39	739,003.78	32° 7' 21.358 N	103° 33' 40.757 W
2,900.0	0.94	346.03	2,899.7	6.6	-10.4	409,180.78	739,003.67	32° 7' 21.362 N	103° 33' 40.758 W
2,925.0	0.98	346.92	2,924.7	7.0	-10.5	409,181.18	739,003.58	32° 7' 21.366 N	103° 33' 40.759 W
2,950.0	0.98	346.44	2,949.7	7.4	-10.6	409,181.60	739,003.48	32° 7' 21.370 N	103° 33' 40.760 W
2,975.0	0.97	348.90	2,974.7	7.8	-10.7	409,182.02	739,003.40	32° 7' 21.375 N	103° 33' 40.761 W
3,000.0	0.94	354.62	2,999.7	8.2	-10.8	409,182.43	739,003.34	32° 7' 21.379 N	103° 33' 40.762 W
3,025.0	0.97	357.62	3,024.7	8.6	-10.8	409,182.84	739,003.31	32° 7' 21.383 N	103° 33' 40.762 W

Wellplanning

Survey Report - Geographic

Company:	BTA Oil Producers LLC.	Local Co-ordinate Reference:	Well #1H
Project:	Lee County, NM	TVD Reference:	WELL @ 3388.8usft (Original Well Elev)
Site:	7811 JV-P Rojo B	MD Reference:	WELL @ 3388.8usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
3,050.0	0.99	7.61	3,048.7	9.1	-10.6	409,183.27	739,003.33	32° 7' 21.387 N	103° 33' 40.762 W
3,075.0	0.97	10.84	3,074.7	9.5	-10.7	409,183.89	739,003.40	32° 7' 21.391 N	103° 33' 40.761 W
3,100.0	1.03	18.20	3,099.7	9.9	-10.6	409,184.11	739,003.51	32° 7' 21.395 N	103° 33' 40.760 W
3,125.0	1.19	24.26	3,124.7	10.4	-10.4	409,184.56	739,003.69	32° 7' 21.400 N	103° 33' 40.756 W
3,150.0	1.35	23.87	3,149.7	10.9	-10.2	409,185.07	739,003.91	32° 7' 21.405 N	103° 33' 40.755 W
3,175.0	1.49	27.95	3,174.7	11.4	-9.9	409,185.63	739,004.16	32° 7' 21.410 N	103° 33' 40.752 W
3,200.0	1.52	26.58	3,199.7	12.0	-9.6	409,186.21	739,004.48	32° 7' 21.416 N	103° 33' 40.748 W
3,225.0	1.54	25.05	3,224.7	12.6	-9.3	409,186.81	739,004.77	32° 7' 21.422 N	103° 33' 40.745 W
3,250.0	1.53	23.00	3,249.7	13.2	-9.0	409,187.42	739,005.05	32° 7' 21.428 N	103° 33' 40.742 W
3,275.0	1.49	22.18	3,274.6	13.8	-8.8	409,188.03	739,005.30	32° 7' 21.434 N	103° 33' 40.738 W
3,300.0	1.44	22.05	3,299.6	14.4	-8.6	409,188.62	739,005.54	32° 7' 21.440 N	103° 33' 40.738 W
3,325.0	1.52	22.00	3,324.6	15.0	-8.3	409,189.22	739,005.76	32° 7' 21.446 N	103° 33' 40.733 W
3,350.0	1.52	13.81	3,349.6	15.7	-8.1	409,189.85	739,005.99	32° 7' 21.452 N	103° 33' 40.731 W
3,375.0	1.42	9.93	3,374.6	16.3	-8.0	409,190.46	739,006.12	32° 7' 21.458 N	103° 33' 40.729 W
3,400.0	1.34	9.19	3,399.6	16.9	-7.9	409,191.07	739,006.22	32° 7' 21.464 N	103° 33' 40.728 W
3,425.0	1.28	7.67	3,424.6	17.4	-7.8	409,191.64	739,006.30	32° 7' 21.470 N	103° 33' 40.727 W
3,450.0	1.06	5.37	3,449.6	17.9	-7.7	409,192.14	739,006.36	32° 7' 21.475 N	103° 33' 40.726 W
3,475.0	0.46	30.01	3,474.6	18.3	-7.7	409,192.46	739,006.43	32° 7' 21.478 N	103° 33' 40.725 W
3,500.0	0.36	159.51	3,499.6	18.3	-7.6	409,192.47	739,006.51	32° 7' 21.478 N	103° 33' 40.724 W
3,525.0	0.73	177.89	3,524.6	18.0	-7.6	409,192.24	739,006.55	32° 7' 21.478 N	103° 33' 40.724 W
3,550.0	0.91	186.33	3,549.6	17.7	-7.6	409,191.89	739,006.53	32° 7' 21.472 N	103° 33' 40.724 W
3,575.0	1.13	184.41	3,574.6	17.2	-7.6	409,191.44	739,006.49	32° 7' 21.468 N	103° 33' 40.725 W
3,600.0	1.26	180.74	3,599.6	16.7	-7.6	409,190.92	739,006.47	32° 7' 21.462 N	103° 33' 40.725 W
3,625.0	1.29	175.98	3,624.6	16.2	-7.6	409,190.36	739,006.46	32° 7' 21.457 N	103° 33' 40.725 W
3,650.0	1.25	174.94	3,649.6	15.6	-7.6	409,189.80	739,006.53	32° 7' 21.451 N	103° 33' 40.724 W
3,675.0	1.19	173.76	3,674.6	15.1	-7.5	409,189.26	739,006.56	32° 7' 21.446 N	103° 33' 40.724 W
3,700.0	1.14	178.01	3,699.6	14.6	-7.5	409,188.77	739,006.61	32° 7' 21.441 N	103° 33' 40.723 W
3,725.0	1.13	180.89	3,724.6	14.1	-7.5	409,188.27	739,006.62	32° 7' 21.436 N	103° 33' 40.723 W
3,750.0	1.27	184.75	3,749.5	13.6	-7.5	409,187.75	739,006.59	32° 7' 21.431 N	103° 33' 40.724 W
3,775.0	1.34	179.85	3,774.5	13.0	-7.5	409,187.18	739,006.57	32° 7' 21.426 N	103° 33' 40.724 W
3,800.0	1.30	176.39	3,799.5	12.4	-7.5	409,186.61	739,006.59	32° 7' 21.420 N	103° 33' 40.724 W
3,825.0	1.19	170.59	3,824.5	11.9	-7.4	409,186.07	739,006.65	32° 7' 21.414 N	103° 33' 40.723 W
3,850.0	1.13	171.39	3,849.5	11.4	-7.4	409,185.57	739,006.73	32° 7' 21.410 N	103° 33' 40.722 W
3,875.0	1.03	174.67	3,874.5	10.9	-7.3	409,185.10	739,006.79	32° 7' 21.405 N	103° 33' 40.722 W
3,900.0	1.12	181.91	3,899.5	10.4	-7.3	409,184.63	739,006.80	32° 7' 21.400 N	103° 33' 40.722 W
3,925.0	1.22	177.65	3,924.5	9.9	-7.3	409,184.12	739,006.80	32° 7' 21.395 N	103° 33' 40.722 W
3,950.0	1.23	171.55	3,949.5	9.4	-7.2	409,183.59	739,006.85	32° 7' 21.390 N	103° 33' 40.721 W
3,975.0	1.18	171.88	3,974.5	8.9	-7.2	409,183.07	739,006.93	32° 7' 21.385 N	103° 33' 40.720 W
4,000.0	1.16	175.85	3,999.5	8.4	-7.1	409,182.56	739,006.98	32° 7' 21.380 N	103° 33' 40.720 W
4,025.0	1.12	178.76	4,024.5	7.9	-7.1	409,182.07	739,007.02	32° 7' 21.375 N	103° 33' 40.719 W
4,050.0	1.06	182.06	4,049.5	7.4	-7.1	409,181.59	739,007.02	32° 7' 21.370 N	103° 33' 40.719 W
4,075.0	1.12	188.63	4,074.5	6.9	-7.1	409,181.12	739,006.98	32° 7' 21.365 N	103° 33' 40.720 W
4,100.0	1.27	187.27	4,099.5	6.4	-7.2	409,180.60	739,006.90	32° 7' 21.360 N	103° 33' 40.721 W
4,125.0	1.31	184.60	4,124.5	5.8	-7.3	409,180.04	739,006.85	32° 7' 21.355 N	103° 33' 40.721 W
4,150.0	1.33	183.76	4,149.5	5.3	-7.3	409,179.47	739,006.80	32° 7' 21.349 N	103° 33' 40.722 W
4,175.0	1.27	180.27	4,174.5	4.7	-7.3	409,178.90	739,006.78	32° 7' 21.344 N	103° 33' 40.722 W
4,200.0	1.23	181.73	4,199.4	4.2	-7.3	409,178.36	739,006.77	32° 7' 21.338 N	103° 33' 40.722 W
4,225.0	1.14	182.91	4,224.4	3.8	-7.3	409,177.84	739,006.75	32° 7' 21.333 N	103° 33' 40.723 W
4,250.0	1.13	190.40	4,249.4	3.2	-7.4	409,177.35	739,006.70	32° 7' 21.328 N	103° 33' 40.723 W
4,275.0	1.19	183.29	4,274.4	2.6	-7.5	409,176.85	739,006.64	32° 7' 21.323 N	103° 33' 40.724 W
4,300.0	1.12	174.48	4,299.4	2.1	-7.5	409,176.35	739,006.65	32° 7' 21.318 N	103° 33' 40.724 W
4,325.0	1.02	171.80	4,324.4	1.7	-7.4	409,175.88	739,006.70	32° 7' 21.314 N	103° 33' 40.723 W
4,350.0	0.90	169.18	4,349.4	1.3	-7.3	409,175.47	739,006.77	32° 7' 21.310 N	103° 33' 40.723 W
4,375.0	0.96	172.16	4,374.4	0.9	-7.3	409,175.07	739,006.84	32° 7' 21.306 N	103° 33' 40.722 W
4,400.0	1.07	185.73	4,399.4	0.4	-7.2	409,174.64	739,006.92	32° 7' 21.301 N	103° 33' 40.721 W

Wellplanning

Survey Report - Geographic

Company:	BTA Oil Producers LLC.	Local Co-ordinate Reference:	Well #1H
Project:	Lee County, NM	TVD Reference:	WELL @ 3388.8usft (Original Well Elev)
Site:	7811 JV-P Rojo B	MD Reference:	WELL @ 3388.8usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
4,425.0	1.06	155.50	4,424.4	0.0	-7.0	409,174.20	739,007.08	32° 7' 21.297 N	103° 33' 40.719 W
4,450.0	1.00	149.50	4,449.4	-0.4	-8.8	409,173.60	739,007.28	32° 7' 21.293 N	103° 33' 40.717 W
4,475.0	0.81	140.53	4,474.4	-0.7	-8.6	409,173.48	739,007.51	32° 7' 21.290 N	103° 33' 40.714 W
4,500.0	0.64	131.06	4,499.4	-1.0	-8.4	409,173.25	739,007.72	32° 7' 21.288 N	103° 33' 40.712 W
4,525.0	0.52	133.27	4,524.4	-1.1	-8.2	409,173.08	739,007.91	32° 7' 21.286 N	103° 33' 40.710 W
4,550.0	0.63	135.44	4,549.4	-1.3	-8.0	409,172.90	739,008.09	32° 7' 21.284 N	103° 33' 40.708 W
4,575.0	0.73	125.88	4,574.4	-1.5	-5.8	409,172.71	739,008.32	32° 7' 21.282 N	103° 33' 40.705 W
4,600.0	0.72	114.88	4,599.4	-1.6	-5.5	409,172.55	739,008.59	32° 7' 21.281 N	103° 33' 40.702 W
4,625.0	0.67	119.08	4,624.4	-1.8	-5.2	409,172.42	739,008.86	32° 7' 21.279 N	103° 33' 40.699 W
4,650.0	0.66	128.20	4,649.4	-2.0	-5.0	409,172.23	739,009.13	32° 7' 21.277 N	103° 33' 40.695 W
4,675.0	1.08	119.45	4,674.4	-2.2	-4.6	409,172.00	739,009.49	32° 7' 21.275 N	103° 33' 40.691 W
4,700.0	1.15	121.28	4,699.4	-2.4	-4.2	409,171.75	739,009.91	32° 7' 21.273 N	103° 33' 40.687 W
4,725.0	1.27	132.34	4,724.4	-2.6	-3.8	409,171.44	739,010.33	32° 7' 21.269 N	103° 33' 40.682 W
4,750.0	1.47	132.50	4,749.4	-3.2	-3.3	409,171.03	739,010.77	32° 7' 21.265 N	103° 33' 40.677 W
4,775.0	1.50	128.38	4,774.4	-3.6	-2.6	409,170.61	739,011.26	32° 7' 21.261 N	103° 33' 40.671 W
4,800.0	1.44	130.95	4,799.3	-4.0	-2.3	409,170.20	739,011.75	32° 7' 21.257 N	103° 33' 40.665 W
4,825.0	1.42	134.59	4,824.3	-4.4	-1.9	409,169.78	739,012.21	32° 7' 21.253 N	103° 33' 40.660 W
4,850.0	1.41	140.27	4,849.3	-4.9	-1.5	409,169.33	739,012.63	32° 7' 21.248 N	103° 33' 40.655 W
4,875.0	1.40	145.44	4,874.3	-5.4	-1.1	409,168.84	739,013.00	32° 7' 21.244 N	103° 33' 40.651 W
4,900.0	1.39	149.22	4,899.3	-5.9	-0.8	409,168.33	739,013.33	32° 7' 21.238 N	103° 33' 40.647 W
4,925.0	1.48	153.25	4,924.3	-6.4	-0.5	409,167.78	739,013.63	32° 7' 21.233 N	103° 33' 40.644 W
4,950.0	1.43	154.25	4,949.3	-7.0	-0.2	409,167.21	739,013.91	32° 7' 21.227 N	103° 33' 40.640 W
4,975.0	1.14	158.95	4,974.3	-7.5	0.0	409,166.69	739,014.13	32° 7' 21.222 N	103° 33' 40.636 W
5,000.0	0.82	175.97	4,999.3	-7.9	0.1	409,166.28	739,014.23	32° 7' 21.218 N	103° 33' 40.637 W
5,025.0	0.64	205.77	5,024.3	-8.2	0.1	409,165.98	739,014.19	32° 7' 21.215 N	103° 33' 40.637 W
5,050.0	0.58	204.23	5,049.3	-8.5	0.0	409,165.74	739,014.07	32° 7' 21.213 N	103° 33' 40.639 W
5,075.0	0.57	221.20	5,074.3	-8.7	-0.2	409,165.53	739,013.94	32° 7' 21.211 N	103° 33' 40.640 W
5,100.0	0.62	230.21	5,099.3	-8.8	-0.3	409,165.35	739,013.75	32° 7' 21.209 N	103° 33' 40.642 W
5,125.0	0.74	227.16	5,124.3	-9.0	-0.6	409,165.15	739,013.53	32° 7' 21.207 N	103° 33' 40.645 W
5,150.0	0.73	214.16	5,149.3	-9.3	-0.8	409,164.91	739,013.32	32° 7' 21.205 N	103° 33' 40.647 W
5,175.0	0.61	213.45	5,174.3	-9.5	-0.9	409,164.67	739,013.16	32° 7' 21.202 N	103° 33' 40.649 W
5,200.0	0.63	231.08	5,199.3	-9.7	-1.1	409,164.47	739,012.96	32° 7' 21.200 N	103° 33' 40.651 W
5,225.0	0.78	224.18	5,224.3	-9.9	-1.3	409,164.26	739,012.76	32° 7' 21.198 N	103° 33' 40.654 W
5,250.0	0.68	212.82	5,249.3	-10.2	-1.5	409,164.02	739,012.56	32° 7' 21.196 N	103° 33' 40.656 W
5,275.0	0.58	227.61	5,274.3	-10.4	-1.7	409,163.81	739,012.38	32° 7' 21.194 N	103° 33' 40.658 W
5,300.0	0.78	228.84	5,299.3	-10.6	-1.9	409,163.61	739,012.16	32° 7' 21.192 N	103° 33' 40.661 W
5,325.0	0.65	219.42	5,324.3	-10.8	-2.1	409,163.39	739,011.95	32° 7' 21.190 N	103° 33' 40.663 W
5,350.0	0.47	220.76	5,349.3	-11.0	-2.3	409,163.21	739,011.79	32° 7' 21.188 N	103° 33' 40.665 W
5,375.0	0.41	245.33	5,374.3	-11.1	-2.5	409,163.09	739,011.64	32° 7' 21.187 N	103° 33' 40.667 W
5,400.0	0.65	244.35	5,399.3	-11.2	-2.6	409,163.00	739,011.45	32° 7' 21.186 N	103° 33' 40.669 W
5,425.0	0.59	231.78	5,424.3	-11.3	-2.9	409,162.87	739,011.25	32° 7' 21.185 N	103° 33' 40.672 W
5,450.0	0.44	221.83	5,449.3	-11.5	-3.0	409,162.72	739,011.08	32° 7' 21.183 N	103° 33' 40.674 W
5,475.0	0.34	232.82	5,474.3	-11.6	-3.1	409,162.60	739,010.96	32° 7' 21.182 N	103° 33' 40.675 W
5,500.0	0.42	254.51	5,499.3	-11.7	-3.3	409,162.53	739,010.81	32° 7' 21.181 N	103° 33' 40.677 W
5,525.0	0.52	248.79	5,524.3	-11.7	-3.5	409,162.47	739,010.62	32° 7' 21.181 N	103° 33' 40.679 W
5,550.0	0.54	239.04	5,549.3	-11.8	-3.7	409,162.37	739,010.41	32° 7' 21.180 N	103° 33' 40.681 W
5,575.0	0.46	239.89	5,574.3	-11.9	-3.9	409,162.28	739,010.22	32° 7' 21.179 N	103° 33' 40.684 W
5,600.0	0.41	245.63	5,599.3	-12.0	-4.0	409,162.17	739,010.05	32° 7' 21.178 N	103° 33' 40.686 W
5,625.0	0.33	231.57	5,624.3	-12.1	-4.2	409,162.09	739,009.91	32° 7' 21.177 N	103° 33' 40.687 W
5,650.0	0.20	260.23	5,649.3	-12.2	-4.3	409,162.03	739,009.82	32° 7' 21.176 N	103° 33' 40.688 W
5,675.0	0.17	302.04	5,674.3	-12.2	-4.4	409,162.05	739,009.74	32° 7' 21.177 N	103° 33' 40.689 W
5,700.0	0.27	307.12	5,699.3	-12.1	-4.4	409,162.10	739,009.66	32° 7' 21.177 N	103° 33' 40.690 W
5,725.0	0.31	295.22	5,724.3	-12.0	-4.5	409,162.17	739,009.55	32° 7' 21.178 N	103° 33' 40.691 W
5,750.0	0.32	279.09	5,749.3	-12.0	-4.7	409,162.21	739,009.42	32° 7' 21.178 N	103° 33' 40.693 W
5,775.0	0.21	250.92	5,774.3	-12.0	-4.8	409,162.20	739,009.31	32° 7' 21.178 N	103° 33' 40.694 W

Wellplanning

Survey Report - Geographic

Company:	BTA Oil Producers LLC.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3388.8usft (Original Well Elev)
Site:	7811 JV-P Rojo B	MD Reference:	WELL @ 3388.8usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,800.0	0.14	19.86	5,799.3	-12.0	-4.8	409,162.22	739,009.28	32° 7' 21.178 N	103° 33' 40.895 W	
5,825.0	0.20	312.15	5,824.3	-11.9	-4.8	409,162.27	739,009.26	32° 7' 21.179 N	103° 33' 40.895 W	
5,850.0	0.24	261.55	5,849.3	-11.9	-4.9	409,162.30	739,009.17	32° 7' 21.179 N	103° 33' 40.896 W	
5,875.0	0.17	217.77	5,874.3	-11.9	-5.0	409,162.26	739,009.10	32° 7' 21.179 N	103° 33' 40.897 W	
5,900.0	0.17	40.87	5,899.3	-11.9	-5.0	409,162.28	739,009.10	32° 7' 21.179 N	103° 33' 40.897 W	
5,925.0	0.16	330.07	5,924.3	-11.9	-5.0	409,162.32	739,009.11	32° 7' 21.179 N	103° 33' 40.897 W	
5,950.0	0.18	282.49	5,949.3	-11.8	-5.0	409,162.34	739,009.05	32° 7' 21.180 N	103° 33' 40.897 W	
5,975.0	0.20	175.55	5,974.3	-11.9	-5.1	409,162.29	739,009.01	32° 7' 21.179 N	103° 33' 40.896 W	
6,000.0	0.15	97.43	5,999.3	-12.0	-5.0	409,162.24	739,009.05	32° 7' 21.179 N	103° 33' 40.897 W	
6,025.0	0.16	8.10	6,024.3	-11.9	-5.0	409,162.27	739,009.09	32° 7' 21.179 N	103° 33' 40.897 W	
6,050.0	0.14	237.08	6,049.3	-11.9	-5.0	409,162.29	739,009.07	32° 7' 21.179 N	103° 33' 40.897 W	
6,075.0	0.21	187.05	6,074.3	-12.0	-5.1	409,162.23	739,009.03	32° 7' 21.178 N	103° 33' 40.897 W	
6,100.0	0.22	144.37	6,099.3	-12.1	-5.0	409,162.15	739,009.06	32° 7' 21.178 N	103° 33' 40.897 W	
6,125.0	0.15	102.18	6,124.3	-12.1	-5.0	409,162.10	739,009.12	32° 7' 21.177 N	103° 33' 40.897 W	
6,150.0	0.16	212.84	6,149.3	-12.1	-5.0	409,162.06	739,009.13	32° 7' 21.177 N	103° 33' 40.898 W	
6,175.0	0.25	174.55	6,174.3	-12.2	-5.0	409,161.98	739,009.12	32° 7' 21.178 N	103° 33' 40.897 W	
6,200.0	0.26	165.64	6,199.3	-12.3	-5.0	409,161.87	739,009.13	32° 7' 21.175 N	103° 33' 40.898 W	
6,225.0	0.21	119.17	6,224.3	-12.4	-4.9	409,161.79	739,009.19	32° 7' 21.174 N	103° 33' 40.896 W	
6,250.0	0.20	121.72	6,249.3	-12.5	-4.8	409,161.75	739,009.27	32° 7' 21.174 N	103° 33' 40.895 W	
6,275.0	0.14	121.37	6,274.3	-12.5	-4.8	409,161.71	739,009.33	32° 7' 21.173 N	103° 33' 40.894 W	
6,300.0	0.15	207.96	6,299.3	-12.5	-4.8	409,161.67	739,009.34	32° 7' 21.173 N	103° 33' 40.894 W	
6,325.0	0.20	199.66	6,324.3	-12.6	-4.8	409,161.60	739,009.31	32° 7' 21.172 N	103° 33' 40.894 W	
6,350.0	0.24	170.80	6,349.3	-12.7	-4.8	409,161.50	739,009.30	32° 7' 21.171 N	103° 33' 40.894 W	
6,375.0	0.24	141.77	6,374.3	-12.8	-4.8	409,161.41	739,009.34	32° 7' 21.170 N	103° 33' 40.894 W	
6,400.0	0.22	126.06	6,399.3	-12.9	-4.7	409,161.34	739,009.42	32° 7' 21.170 N	103° 33' 40.893 W	
6,425.0	0.16	84.14	6,424.3	-12.9	-4.8	409,161.32	739,009.49	32° 7' 21.169 N	103° 33' 40.892 W	
6,450.0	0.17	52.61	6,449.3	-12.9	-4.5	409,161.34	739,009.55	32° 7' 21.170 N	103° 33' 40.891 W	
6,475.0	0.17	228.04	6,474.3	-12.9	-4.5	409,161.34	739,009.56	32° 7' 21.170 N	103° 33' 40.891 W	
6,500.0	0.22	165.56	6,499.3	-12.9	-4.8	409,161.27	739,009.54	32° 7' 21.169 N	103° 33' 40.892 W	
6,525.0	0.23	158.93	6,524.3	-13.0	-4.5	409,161.17	739,009.57	32° 7' 21.168 N	103° 33' 40.891 W	
6,550.0	0.23	137.59	6,549.3	-13.1	-4.5	409,161.09	739,009.63	32° 7' 21.167 N	103° 33' 40.891 W	
6,575.0	0.21	114.61	6,574.3	-13.2	-4.4	409,161.03	739,009.70	32° 7' 21.167 N	103° 33' 40.890 W	
6,600.0	0.17	77.24	6,599.3	-13.2	-4.3	409,161.02	739,009.78	32° 7' 21.166 N	103° 33' 40.889 W	
6,625.0	0.14	72.33	6,624.3	-13.2	-4.3	409,161.04	739,009.84	32° 7' 21.167 N	103° 33' 40.888 W	
6,650.0	0.11	75.13	6,649.3	-13.1	-4.2	409,161.06	739,009.90	32° 7' 21.167 N	103° 33' 40.888 W	
6,675.0	0.16	161.82	6,674.3	-13.2	-4.2	409,161.03	739,009.93	32° 7' 21.166 N	103° 33' 40.887 W	
6,700.0	0.18	155.76	6,699.3	-13.2	-4.1	409,160.96	739,009.96	32° 7' 21.166 N	103° 33' 40.887 W	
6,725.0	0.23	125.53	6,724.3	-13.3	-4.1	409,160.90	739,010.02	32° 7' 21.165 N	103° 33' 40.886 W	
6,750.0	0.24	90.15	6,749.3	-13.3	-4.0	409,160.87	739,010.11	32° 7' 21.165 N	103° 33' 40.885 W	
6,775.0	0.16	81.34	6,774.3	-13.3	-3.9	409,160.87	739,010.20	32° 7' 21.165 N	103° 33' 40.884 W	
6,800.0	0.14	145.77	6,799.3	-13.3	-3.8	409,160.85	739,010.25	32° 7' 21.165 N	103° 33' 40.883 W	
6,825.0	0.23	135.13	6,824.3	-13.4	-3.8	409,160.79	739,010.30	32° 7' 21.164 N	103° 33' 40.883 W	
6,850.0	0.22	96.20	6,849.3	-13.4	-3.7	409,160.75	739,010.38	32° 7' 21.164 N	103° 33' 40.882 W	
6,875.0	0.18	85.80	6,874.3	-13.4	-3.6	409,160.76	739,010.47	32° 7' 21.164 N	103° 33' 40.881 W	
6,900.0	0.14	127.99	6,899.3	-13.4	-3.6	409,160.76	739,010.53	32° 7' 21.164 N	103° 33' 40.880 W	
6,925.0	0.16	145.08	6,924.3	-13.5	-3.5	409,160.71	739,010.57	32° 7' 21.163 N	103° 33' 40.880 W	
6,950.0	0.22	109.11	6,949.3	-13.5	-3.5	409,160.66	739,010.64	32° 7' 21.163 N	103° 33' 40.879 W	
6,975.0	0.17	60.23	6,974.3	-13.5	-3.4	409,160.66	739,010.72	32° 7' 21.163 N	103° 33' 40.878 W	
7,000.0	0.21	275.05	6,999.3	-13.5	-3.4	409,160.66	739,010.70	32° 7' 21.163 N	103° 33' 40.878 W	
7,025.0	0.21	211.46	7,024.3	-13.6	-3.5	409,160.65	739,010.84	32° 7' 21.163 N	103° 33' 40.879 W	
7,050.0	0.21	168.71	7,049.3	-13.6	-3.5	409,160.57	739,010.62	32° 7' 21.162 N	103° 33' 40.879 W	
7,075.0	0.14	78.20	7,074.3	-13.7	-3.4	409,160.53	739,010.66	32° 7' 21.161 N	103° 33' 40.879 W	
7,100.0	0.17	277.36	7,099.3	-13.7	-3.4	409,160.54	739,010.66	32° 7' 21.162 N	103° 33' 40.879 W	
7,125.0	0.30	235.83	7,124.3	-13.7	-3.5	409,160.50	739,010.56	32° 7' 21.161 N	103° 33' 40.880 W	
7,150.0	0.36	203.44	7,149.3	-13.8	-3.6	409,160.40	739,010.48	32° 7' 21.160 N	103° 33' 40.881 W	

Wellplanning

Survey Report - Geographic

Company:	BTA Oil Producers LLC.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3388.8usft (Original Well Elev)
Site:	7811 JV-P Rojo B	MD Reference:	WELL @ 3388.8usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
7,175.0	0.30	199.02	7,174.3	-13.9	-3.7	408,180.28	739,010.43	32° 7' 21.158 N	103° 33' 40.681 W
7,200.0	0.34	237.23	7,199.3	-14.0	-3.8	408,180.16	739,010.34	32° 7' 21.158 N	103° 33' 40.682 W
7,225.0	0.54	224.33	7,224.2	-14.2	-3.9	408,180.04	739,010.20	32° 7' 21.157 N	103° 33' 40.684 W
7,250.0	0.58	215.23	7,249.2	-14.4	-4.1	408,159.85	739,010.04	32° 7' 21.155 N	103° 33' 40.686 W
7,275.0	0.57	204.33	7,274.2	-14.6	-4.2	408,159.83	739,009.92	32° 7' 21.153 N	103° 33' 40.687 W
7,300.0	0.48	204.19	7,299.2	-14.8	-4.3	408,159.42	739,009.82	32° 7' 21.151 N	103° 33' 40.688 W
7,325.0	0.40	213.87	7,324.2	-14.9	-4.4	408,159.25	739,009.73	32° 7' 21.149 N	103° 33' 40.690 W
7,350.0	0.49	231.05	7,349.2	-15.1	-4.5	408,159.12	739,009.60	32° 7' 21.148 N	103° 33' 40.691 W
7,375.0	0.60	219.05	7,374.2	-15.3	-4.7	408,158.95	739,009.44	32° 7' 21.146 N	103° 33' 40.693 W
7,400.0	0.61	213.32	7,399.2	-15.5	-4.8	408,158.73	739,009.28	32° 7' 21.144 N	103° 33' 40.695 W
7,425.0	0.62	210.90	7,424.2	-15.7	-5.0	408,158.51	739,009.14	32° 7' 21.142 N	103° 33' 40.697 W
7,450.0	0.65	210.98	7,449.2	-15.9	-5.1	408,158.27	739,008.99	32° 7' 21.139 N	103° 33' 40.698 W
7,475.0	0.63	208.43	7,474.2	-16.2	-5.2	408,158.03	739,008.86	32° 7' 21.137 N	103° 33' 40.700 W
7,500.0	0.63	212.55	7,499.2	-16.4	-5.4	408,157.79	739,008.72	32° 7' 21.134 N	103° 33' 40.702 W
7,525.0	0.63	225.54	7,524.2	-16.6	-5.6	408,157.58	739,008.55	32° 7' 21.132 N	103° 33' 40.704 W
7,550.0	0.79	222.20	7,549.2	-16.8	-5.8	408,157.35	739,008.33	32° 7' 21.130 N	103° 33' 40.706 W
7,575.0	0.61	207.82	7,574.2	-17.1	-6.0	408,157.07	739,008.13	32° 7' 21.127 N	103° 33' 40.708 W
7,600.0	0.72	209.72	7,599.2	-17.4	-6.1	408,156.78	739,007.97	32° 7' 21.125 N	103° 33' 40.710 W
7,625.0	0.73	220.20	7,624.2	-17.7	-6.3	408,156.52	739,007.79	32° 7' 21.122 N	103° 33' 40.712 W
7,650.0	0.87	219.45	7,649.2	-17.9	-6.5	408,156.25	739,007.57	32° 7' 21.119 N	103° 33' 40.715 W
7,675.0	0.85	207.80	7,674.2	-18.3	-6.7	408,155.94	739,007.36	32° 7' 21.116 N	103° 33' 40.717 W
7,700.0	0.88	200.83	7,699.2	-18.6	-6.9	408,155.64	739,007.22	32° 7' 21.113 N	103° 33' 40.719 W
7,725.0	0.59	203.79	7,724.2	-18.8	-7.0	408,155.38	739,007.12	32° 7' 21.111 N	103° 33' 40.720 W
7,750.0	0.57	202.13	7,749.2	-19.1	-7.1	408,155.15	739,007.02	32° 7' 21.108 N	103° 33' 40.721 W
7,775.0	0.63	177.03	7,774.2	-19.3	-7.1	408,154.90	739,006.98	32° 7' 21.106 N	103° 33' 40.722 W
7,800.0	0.56	155.76	7,799.2	-19.6	-7.1	408,154.65	739,007.04	32° 7' 21.104 N	103° 33' 40.721 W
7,825.0	0.45	151.58	7,824.2	-19.8	-7.0	408,154.45	739,007.13	32° 7' 21.102 N	103° 33' 40.720 W
7,850.0	0.66	154.16	7,849.2	-20.0	-6.9	408,154.23	739,007.24	32° 7' 21.099 N	103° 33' 40.719 W
7,875.0	0.78	141.52	7,874.2	-20.2	-6.7	408,153.97	739,007.41	32° 7' 21.097 N	103° 33' 40.717 W
7,900.0	0.72	132.16	7,899.2	-20.5	-6.5	408,153.73	739,007.63	32° 7' 21.094 N	103° 33' 40.714 W
7,925.0	0.59	138.99	7,924.2	-20.7	-6.3	408,153.53	739,007.83	32° 7' 21.092 N	103° 33' 40.712 W
7,950.0	0.71	149.27	7,949.2	-20.9	-6.1	408,153.30	739,008.00	32° 7' 21.090 N	103° 33' 40.710 W
7,975.0	0.81	144.12	7,974.2	-21.2	-5.9	408,153.02	739,008.18	32° 7' 21.087 N	103° 33' 40.708 W
8,000.0	0.76	141.62	7,999.2	-21.5	-5.7	408,152.75	739,008.39	32° 7' 21.085 N	103° 33' 40.706 W
8,025.0	0.73	150.07	8,024.2	-21.7	-5.5	408,152.48	739,008.57	32° 7' 21.082 N	103° 33' 40.704 W
8,050.0	0.65	156.60	8,049.2	-22.0	-5.4	408,152.17	739,008.72	32° 7' 21.079 N	103° 33' 40.702 W
8,075.0	0.96	146.45	8,074.2	-22.4	-5.2	408,151.82	739,008.91	32° 7' 21.075 N	103° 33' 40.700 W
8,100.0	0.88	142.98	8,099.2	-22.7	-4.9	408,151.49	739,009.15	32° 7' 21.072 N	103° 33' 40.697 W
8,125.0	0.79	148.08	8,124.2	-23.0	-4.7	408,151.20	739,009.36	32° 7' 21.069 N	103° 33' 40.695 W
8,150.0	0.86	158.23	8,149.2	-23.3	-4.6	408,150.88	739,009.53	32° 7' 21.066 N	103° 33' 40.693 W
8,175.0	0.89	148.10	8,174.2	-23.7	-4.4	408,150.52	739,009.71	32° 7' 21.063 N	103° 33' 40.691 W
8,200.0	1.03	141.22	8,199.2	-24.0	-4.1	408,150.16	739,009.96	32° 7' 21.059 N	103° 33' 40.688 W
8,225.0	1.01	147.01	8,224.2	-24.4	-3.9	408,149.80	739,010.23	32° 7' 21.055 N	103° 33' 40.685 W
8,250.0	1.14	151.27	8,249.2	-24.8	-3.6	408,149.40	739,010.46	32° 7' 21.051 N	103° 33' 40.682 W
8,275.0	1.27	143.42	8,274.2	-25.2	-3.3	408,148.96	739,010.75	32° 7' 21.047 N	103° 33' 40.679 W
8,300.0	1.17	138.74	8,299.2	-25.7	-3.0	408,148.55	739,011.08	32° 7' 21.043 N	103° 33' 40.675 W
8,325.0	1.09	143.98	8,324.2	-26.0	-2.7	408,148.16	739,011.39	32° 7' 21.039 N	103° 33' 40.671 W
8,350.0	1.12	150.88	8,349.1	-26.4	-2.4	408,147.78	739,011.65	32° 7' 21.035 N	103° 33' 40.668 W
8,375.0	1.32	152.34	8,374.1	-26.9	-2.2	408,147.29	739,011.90	32° 7' 21.030 N	103° 33' 40.665 W
8,400.0	1.29	148.27	8,399.1	-27.4	-1.9	408,146.79	739,012.19	32° 7' 21.025 N	103° 33' 40.662 W
8,425.0	1.19	148.09	8,424.1	-27.9	-1.6	408,146.34	739,012.48	32° 7' 21.021 N	103° 33' 40.659 W
8,450.0	1.19	154.99	8,449.1	-28.3	-1.4	408,145.89	739,012.73	32° 7' 21.018 N	103° 33' 40.656 W
8,475.0	1.32	155.88	8,474.1	-28.8	-1.1	408,145.39	739,012.96	32° 7' 21.011 N	103° 33' 40.653 W
8,500.0	1.41	154.66	8,499.1	-29.3	-0.9	408,144.85	739,013.21	32° 7' 21.008 N	103° 33' 40.650 W
8,525.0	1.40	150.25	8,524.1	-29.9	-0.6	408,144.31	739,013.49	32° 7' 21.001 N	103° 33' 40.647 W

Wellplanning

Survey Report - Geographic

Company:	BTA Oil Producers LLC.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3388.8usft (Original Well Elev)
Site:	7811 JV-P Rojo B	MD Reference:	WELL @ 3388.8usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
8,550.0	1.41	144.45	8,548.1	-30.4	-0.3	409,143.79	739,013.82	32° 7' 20.996 N	103° 33' 40.643 W	
8,575.0	1.40	143.98	8,574.1	-30.9	0.1	409,143.29	739,014.18	32° 7' 20.991 N	103° 33' 40.639 W	
8,600.0	1.38	143.86	8,599.1	-31.4	0.4	409,142.80	739,014.54	32° 7' 20.986 N	103° 33' 40.635 W	
8,625.0	1.33	142.34	8,624.1	-31.9	0.8	409,142.33	739,014.89	32° 7' 20.981 N	103° 33' 40.631 W	
8,650.0	1.28	143.89	8,649.1	-32.3	1.1	409,141.86	739,015.24	32° 7' 20.977 N	103° 33' 40.627 W	
8,675.0	1.29	150.71	8,674.1	-32.8	1.4	409,141.41	739,015.54	32° 7' 20.972 N	103° 33' 40.624 W	
8,700.0	1.40	150.71	8,699.1	-33.3	1.7	409,140.89	739,015.83	32° 7' 20.967 N	103° 33' 40.620 W	
8,725.0	1.47	143.18	8,724.0	-33.8	2.1	409,140.37	739,016.17	32° 7' 20.962 N	103° 33' 40.616 W	
8,750.0	1.41	142.42	8,749.0	-34.3	2.5	409,139.87	739,016.55	32° 7' 20.957 N	103° 33' 40.612 W	
8,775.0	1.30	144.30	8,774.0	-34.8	2.8	409,139.40	739,016.90	32° 7' 20.952 N	103° 33' 40.608 W	
8,800.0	1.34	150.19	8,799.0	-35.3	3.1	409,138.91	739,017.21	32° 7' 20.947 N	103° 33' 40.604 W	
8,825.0	1.41	147.73	8,824.0	-35.8	3.4	409,138.40	739,017.52	32° 7' 20.942 N	103° 33' 40.601 W	
8,850.0	14.00	176.50	8,880.4	-43.3	4.2	409,130.89	739,018.32	32° 7' 20.868 N	103° 33' 40.592 W	
8,914.0	20.40	180.50	8,911.0	-52.8	4.4	409,121.44	739,018.51	32° 7' 20.774 N	103° 33' 40.591 W	
8,945.0	23.80	182.30	8,939.7	-84.4	4.1	409,109.79	739,018.21	32° 7' 20.658 N	103° 33' 40.585 W	
8,977.0	28.90	182.90	8,968.6	-78.1	3.5	409,096.10	739,017.58	32° 7' 20.523 N	103° 33' 40.604 W	
9,040.0	29.90	184.10	9,024.0	-108.0	1.8	409,086.20	739,015.74	32° 7' 20.228 N	103° 33' 40.627 W	
9,071.0	30.10	184.20	9,050.8	-123.5	0.5	409,050.74	739,014.82	32° 7' 20.075 N	103° 33' 40.642 W	
9,102.0	31.70	183.20	9,077.4	-139.3	-0.5	409,034.85	739,013.59	32° 7' 19.918 N	103° 33' 40.655 W	
9,134.0	32.80	182.50	9,104.5	-156.4	-1.3	409,017.80	739,012.75	32° 7' 19.749 N	103° 33' 40.666 W	
9,165.0	33.20	182.40	9,130.5	-173.3	-2.1	409,000.93	739,012.02	32° 7' 19.582 N	103° 33' 40.676 W	
9,196.0	33.60	182.00	9,156.4	-190.3	-2.7	408,983.88	739,011.37	32° 7' 19.413 N	103° 33' 40.685 W	
9,228.0	34.80	180.90	9,182.9	-208.3	-3.2	408,965.94	739,010.92	32° 7' 19.236 N	103° 33' 40.692 W	
9,259.0	37.60	179.90	9,207.9	-226.5	-3.3	408,947.88	739,010.80	32° 7' 19.055 N	103° 33' 40.695 W	
9,291.0	41.90	178.80	9,232.5	-247.0	-3.1	408,927.23	739,011.04	32° 7' 18.853 N	103° 33' 40.694 W	
9,322.0	46.30	179.60	9,254.8	-268.5	-2.8	408,905.86	739,011.33	32° 7' 18.639 N	103° 33' 40.692 W	
9,353.0	50.80	180.30	9,275.3	-291.7	-2.7	408,882.47	739,011.35	32° 7' 18.410 N	103° 33' 40.694 W	
9,416.0	60.50	179.50	9,310.9	-343.6	-2.6	408,830.58	739,011.46	32° 7' 17.896 N	103° 33' 40.697 W	
9,448.0	66.00	179.60	9,325.3	-372.2	-2.4	408,802.02	739,011.68	32° 7' 17.614 N	103° 33' 40.697 W	
9,479.0	70.50	178.80	9,338.6	-401.0	-2.0	408,773.24	739,012.09	32° 7' 17.329 N	103° 33' 40.694 W	
9,510.0	73.20	179.00	9,346.5	-430.4	-1.4	408,743.79	739,012.85	32° 7' 17.037 N	103° 33' 40.690 W	
9,542.0	77.50	179.90	9,354.6	-461.4	-1.1	408,712.84	739,012.95	32° 7' 16.731 N	103° 33' 40.689 W	
9,573.0	81.10	179.60	9,360.3	-491.8	-1.0	408,682.38	739,013.08	32° 7' 16.430 N	103° 33' 40.690 W	
9,604.0	84.20	179.10	9,364.3	-522.6	-0.7	408,651.84	739,013.43	32° 7' 16.125 N	103° 33' 40.689 W	
9,636.0	90.70	178.20	9,368.5	-617.4	1.8	408,556.81	739,015.87	32° 7' 15.187 N	103° 33' 40.671 W	
9,792.0	92.20	178.80	9,368.2	-710.3	4.2	408,463.88	739,018.26	32° 7' 14.267 N	103° 33' 40.648 W	
9,886.0	87.80	177.70	9,366.1	-804.2	7.2	408,369.95	739,021.30	32° 7' 13.337 N	103° 33' 40.621 W	
9,980.0	87.50	177.20	9,369.8	-898.1	11.4	408,276.12	739,025.48	32° 7' 12.409 N	103° 33' 40.580 W	
10,074.0	89.30	178.90	9,372.5	-992.0	14.6	408,182.22	739,028.67	32° 7' 11.479 N	103° 33' 40.551 W	
10,169.0	89.50	178.70	9,373.5	-1,087.0	16.6	408,087.25	739,030.86	32° 7' 10.539 N	103° 33' 40.538 W	
10,263.0	90.70	180.80	9,373.3	-1,180.9	17.1	407,993.28	739,031.24	32° 7' 9.909 N	103° 33' 40.537 W	
10,357.0	91.50	181.00	9,371.5	-1,274.9	15.8	407,899.28	739,029.92	32° 7' 8.679 N	103° 33' 40.560 W	
10,451.0	91.70	180.60	9,368.9	-1,368.9	14.5	407,805.33	739,028.61	32° 7' 7.750 N	103° 33' 40.583 W	
10,545.0	92.10	180.70	9,365.8	-1,462.8	13.5	407,711.39	739,027.55	32° 7' 6.820 N	103° 33' 40.603 W	
10,639.0	90.80	180.20	9,363.4	-1,556.8	12.7	407,617.42	739,026.81	32° 7' 5.890 N	103° 33' 40.619 W	
10,734.0	91.00	179.90	9,361.9	-1,651.8	12.6	407,522.43	739,026.73	32° 7' 4.950 N	103° 33' 40.628 W	
10,828.0	90.90	179.80	9,360.3	-1,745.8	13.0	407,428.45	739,027.14	32° 7' 4.020 N	103° 33' 40.631 W	
10,922.0	91.50	179.60	9,358.4	-1,839.7	13.7	407,334.47	739,027.79	32° 7' 3.090 N	103° 33' 40.632 W	
11,016.0	89.50	179.90	9,357.5	-1,933.7	14.1	407,240.48	739,028.20	32° 7' 2.160 N	103° 33' 40.635 W	
11,110.0	89.70	180.10	9,356.2	-2,027.7	14.1	407,146.48	739,028.20	32° 7' 1.230 N	103° 33' 40.643 W	
11,204.0	90.00	180.30	9,358.4	-2,121.7	13.8	407,052.48	739,027.87	32° 7' 0.300 N	103° 33' 40.654 W	
11,298.0	91.70	181.00	9,357.0	-2,215.7	12.7	406,958.51	739,026.81	32° 6' 59.370 N	103° 33' 40.674 W	
11,392.0	90.70	180.80	9,355.1	-2,309.7	11.4	406,864.54	739,025.50	32° 6' 58.440 N	103° 33' 40.697 W	
11,486.0	88.50	179.50	9,355.7	-2,403.7	11.3	406,770.55	739,025.41	32° 6' 57.510 N	103° 33' 40.708 W	
11,580.0	88.80	179.90	9,357.9	-2,497.6	11.8	406,676.57	739,025.91	32° 6' 56.580 N	103° 33' 40.708 W	

Wellplanning

Survey Report - Geographic

Company:	BTA Oil Producers LLC.	Local Co-ordinate Reference:	Well #1H
Project:	Lea County, NM	TVD Reference:	WELL @ 3388.8usft (Original Well Elev)
Site:	7811 JV-P Rojo B	MD Reference:	WELL @ 3388.8usft (Original Well Elev)
Well:	#1H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	EDM 5000.1 Single User Db

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
11,674.0	89.10	179.50	9,359.7	-2,591.6	12.3	408,582.59	739,028.40	32° 6' 55.650 N	103° 33' 40.710 W
11,769.0	89.60	179.90	9,360.7	-2,686.6	12.8	408,487.60	739,028.90	32° 6' 54.710 N	103° 33' 40.713 W
11,864.0	90.00	180.10	9,361.1	-2,781.6	12.8	408,392.60	739,028.90	32° 6' 53.770 N	103° 33' 40.720 W
11,959.0	91.00	180.50	9,360.2	-2,876.6	12.3	408,297.61	739,028.40	32° 6' 52.830 N	103° 33' 40.734 W
12,053.0	91.20	180.10	9,358.4	-2,970.6	11.8	408,203.62	739,025.91	32° 6' 51.900 N	103° 33' 40.748 W
12,147.0	92.60	179.90	9,355.3	-3,064.5	11.8	408,109.68	739,025.91	32° 6' 50.970 N	103° 33' 40.756 W
12,241.0	94.20	178.70	9,348.8	-3,158.3	13.0	408,015.88	739,027.05	32° 6' 50.042 N	103° 33' 40.750 W
12,335.0	91.00	178.70	9,345.5	-3,252.2	15.1	405,921.99	739,029.18	32° 6' 49.113 N	103° 33' 40.733 W
12,429.0	88.90	177.90	9,345.6	-3,346.2	17.9	405,828.04	739,031.97	32° 6' 48.183 N	103° 33' 40.709 W
12,523.0	89.60	178.00	9,346.6	-3,440.1	21.2	405,734.10	739,035.33	32° 6' 47.253 N	103° 33' 40.677 W
12,617.0	91.00	178.60	9,348.0	-3,534.0	24.0	405,640.15	739,038.12	32° 6' 46.323 N	103° 33' 40.653 W
12,711.0	90.00	178.00	9,345.2	-3,628.0	26.6	405,546.20	739,040.91	32° 6' 45.393 N	103° 33' 40.628 W
12,805.0	88.00	177.00	9,346.8	-3,721.9	30.8	405,452.31	739,045.01	32° 6' 44.464 N	103° 33' 40.588 W
12,900.0	88.30	176.90	9,349.9	-3,816.7	36.0	405,357.49	739,050.06	32° 6' 43.525 N	103° 33' 40.537 W
12,994.0	87.80	176.20	9,353.1	-3,910.5	41.6	405,263.72	739,055.71	32° 6' 42.567 N	103° 33' 40.478 W
13,088.0	87.60	177.90	9,356.6	-4,004.3	48.5	405,169.92	739,060.55	32° 6' 41.668 N	103° 33' 40.431 W
13,182.0	90.00	179.60	9,358.6	-4,098.2	48.5	405,075.97	739,062.60	32° 6' 40.738 N	103° 33' 40.415 W
13,276.0	91.90	179.40	9,357.2	-4,192.2	49.3	404,981.99	739,063.42	32° 6' 39.806 N	103° 33' 40.413 W
13,370.0	90.40	180.40	9,355.4	-4,286.2	49.5	404,886.02	739,063.58	32° 6' 38.878 N	103° 33' 40.419 W
13,464.0	90.90	179.90	9,354.3	-4,380.2	49.2	404,794.02	739,063.33	32° 6' 37.946 N	103° 33' 40.430 W
13,558.0	88.90	181.30	9,353.6	-4,474.2	48.3	404,700.03	739,062.35	32° 6' 37.016 N	103° 33' 40.449 W
13,652.0	91.30	181.50	9,352.7	-4,568.1	46.0	404,606.07	739,060.05	32° 6' 36.089 N	103° 33' 40.464 W
13,746.0	92.00	181.00	9,349.9	-4,662.1	43.9	404,512.13	739,058.00	32° 6' 35.159 N	103° 33' 40.515 W
13,819.0	92.20	181.00	9,347.3	-4,735.0	42.6	404,439.21	739,056.73	32° 6' 34.438 N	103° 33' 40.538 W
PBHL(RS#1H)									

Checked By: _____ Approved By: _____ Date: _____